Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/12/2020 10:23 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124738	-1	2.21	124753	2.20
Blue	F	SSC	125000	123781	-1	2.01	124492	1.96
Blue	E	FITC	15892	15399	-4	2.87	335	19.85
Blue	D	PE	29999	29322	-3	2.06	640	14.96
Blue	B	PerCP-Cy5-5	43732	43703	-1	3.70	1174	20.39
Blue	A	PE-Cy7	30845	30826	-1	6.13	588	40.69
Red	C	APC	46112	44973	-3	2.49	1588	11.99
Red	A	APC-Cy7	30458	29620	-3	2.44	781	11.97
Violet	B	V450	7918	7651	-4	4.19	435	12.99
Violet	A	V500	32171	30852	-5	4.01	722	10.00

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17185	10.24	631	10	N/A	N/A	Pass
Blue	F	SSC	56858	1.47	571	12	N/A	N/A	Pass
Blue	E	FITC	60	65.51	548	5	0.0210	160	Pass
Blue	D	PE	133	49.94	554	6	0.1527	246	Pass
Blue	B	PerCP-Cy5-5	216	50.06	661	5	0.0090	61	Pass
Blue	A	PE-Cy7	106	103.39	703	5	0.0110	19	Pass
Red	C	APC	380	24.56	587	3	0.0249	113	Pass
Red	A	APC-Cy7	171	28.24	558	2	0.0055	686	Pass
Violet	B	V450	65	57.39	456	-2	0.0467	1611	Pass
Violet	A	V500	109	30.23	471	-3	0.0251	450	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.31	-32.76	1.06
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.41
Red	17.01	13.60 - 20.40	N/A	N/A	30.06	30.60	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 9949

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments